

MRC
MINERALS RECOVERY
CORPORATION

RECEIVED
JUN 25 1982

DIVISION OF
OIL, GAS & MINING

June 23, 1982

Mr. Tom Tetting
Engineering Geologist
State of Utah
4241 State Office Building
Salt Lake City, Utah 84114

Dear Tom

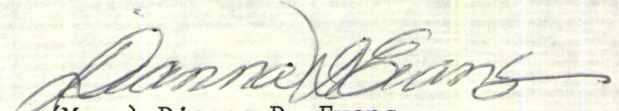
RE: South Lisbon Mine Reclamation
ACT/037/018
San Juan County, Utah

I am attaching a copy of a memorandum received this date from our MRC staff concerning the reclamation performed at the South Lisbon Valley mine. This area is now ready for inspection by the State of Utah.

The memo outlines our steps, as well as extra curricular activities that MRC supervised while this area was being reclaimed.

If you need someone to accompany you on this inspection, please advise. Also, now that this phase of the reclamation is complete, does the State release a partial payment of the bond they now hold and release the rest after a positive revegetation success is evident? Or, do they retain the entire amount for the 3 year waiting period?

Sincerely yours,
MINERALS RECOVERY CORPORATION


(Mrs.) Dianna D. Evans
Assistant Vice President

de/ms
Enc.

MRC

**MINERALS RECOVERY
CORPORATION**

June 23, 1982

MEMORANDUM

TO: Dianna D. Evans
South Lisbon Valley File

FROM: Carl F. Lipp

SUBJECT: South Lisbon Valley Mine Reclamation

During the first half of 1982, I personally supervised the reclamation efforts of the South Lisbon Valley mine area. This reclamation was determined complete on June 18, 1982, and the following is a summary of the activities performed. The Mine Reclamation plan and various correspondence from the State of Utah was used as guidelines to reclaim this area.

Portals

All of the portals, i.e., Red Rock, Divide, Mayfield and the West Incline were sealed using the available waste rock near the portals. Topsoil was then put over the waste rock then dragged and seeded. All scrap metal and debris around the portals, i.e., old cars, trailers, tires, etc. were disposed of.

Drill holes

The drill holes were plugged per State of Utah regulations i.e., 5 feet of cement plug and 1 foot of soil to surface and seeded. The 24 inch diameter vent hole was plugged by removing the surrounding soil away from the hole to a depth of approximately 2 feet. A piece of iron was then placed over the vent hole big enough to extend 2 feet around the hole. The hole was then covered up with soil and seeded.

Waste pile

All of the waste rock around the West Incline, approximately 40,000 tons, was hauled to the pad area within the SL-1 pit using a loader and Euclid 18 ton truck. This waste material was dumped over the highwall of the pit. A four foot safety berm constructed of waste rock was placed on the pit side above the highwall. A ditch was dug around the safety berm to prevent erosion. The waste rock that was put in the pit and the safety berm around the pit was dragged and reseeded. A three to four foot barrier wall made of waste rock was constructed on the access roads to the pit area to prevent vehicle travel. Warning signs were placed on the access roads to the pit area. The area where the waste pile was located was dragged and reseeded.

Roads

The access roads created by Minerals Recovery Corporation were dragged and reseeded following the mixture as detailed below. The road highlighted in green on the attached map was left open at the request of the surface owner Max Wilcox. He will use the road for access to monitor his cattle and for access to his ranch.

Note; all the areas on the attached map outlined in yellow, were dragged and reseeded.

Seed

The following mixture of seed was broadcast over the areas highlighted in yellow on the attached map:

| | |
|-------------------------|-----------|
| Russian Wildrye | 3 lb/acre |
| Crested Wheatgrass | 4 lb/acre |
| Intermittant Wheatgrass | 4 lb/acre |
| Four Wing Saltbrush | 1 lb/acre |
| Yellow Sweetclover | 1 lb/acre |
| Indian Ricegrass | 1 lb/acre |

The seed which was scattered in late March has already begun to grow. Positive signs of sagebrush and some species of grasses have appeared along the roads and portal areas.

Other Reclamation:

a. Buildings

All buildings i.e., shop, office, powder magazine etc. were removed from the property prior to the start up of these reclamation activities. Therefore, no equipment or personal effects of MRC's operations are visible at the site.

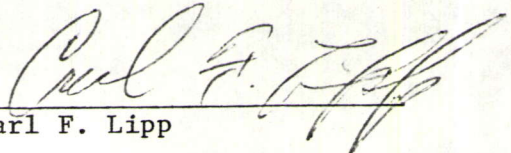
b. Old workings

In addition to the above reclamation, the old Continental two compartment shaft was plugged with waste rock then contoured and reseeded. The concrete pad that was used for their hoisting equipment was removed and the disturbed area was contoured and reseeded. MRC did not utilize this area during our operations.

Note; this area was not within our permit area, however, since we were in the area, and since this shaft being left open could be harmful to both humans and the surface owners cattle, MRC went ahead and plugged the shaft. This was at no cost to the surface owner. This area is located to the east of our reclamation and permit area.

Periodically, the revegetation success will be monitored by someone from MRC and reported to you. This completes this assignment.

MINERALS RECOVERY CORPORATION


Carl F. Lipp

CL/de
Attach: